

### Remarks

Claims 1-180 are pending in the above captioned application. Claims 1-18, 37-54, 73-90, 109-126- and 145-162 have been allowed and the remaining claims 19-36, 55-72, 91-108, 127-144 and 163-180 have been indicated to be allowable if the rejections under 35 U.S.C. §112, second paragraph, are corrected.

The specification has been amended on p. 8 to correct typographical errors in an equation referenced on that page and without adding new matter since the amendments are to conform this equation to other descriptions of the equation generally within the specification and specifically at least on p. 5, lines 14-26 and p. 9, lines 8-16.

Claims 19-24, 55-60, 91-96, 127-132 and 163-168 have been rejected under 35 U.S.C. §112, second paragraph since “the variables a-f are undefined. It is unclear as to whether variables a-f refer to the precomputed variables claimed.”

Claims 19-24, 55-60, 91-96, 127-132 and 163-168 have been amended to correct typographical errors in the claims that rendered the meaning of the recited variables unclear and to conform those variables as recited to the ones referenced in the specification. The claims have been amended solely for this reason, i.e., to correct a clear error in the transcription of the claims as filed, and not to define over any prior art reference and without the intent or the actual effect of narrowing the claims in any way, and in fact the amendments broaden the claims to cover what was not covered by the claims as filed, i.e., multivariable equations with respective different constants, and which also could not be covered by a claim deemed indefinite by the Examiner.

Therefore, the meaning of the “variables” a-f, which are actually constants by which certain variables are determined to be multiplied, or which are added to a respective equation, during a calibration process described in the Specification, should now be clear. Each constant is defined by its position in one of two multivariable equations empirically determined in the disclosed calibration process and is claimed to be used as recited in one of two bandwidth solution equations as recited in claims 19-24, 55-60, 91-96, 127-132 and 163-168. The remaining dependent claims 25-36, 61-72, 97-108, 133-144 and 169-180 should also be rendered definite by these amendments.

For the above stated reasons the Examiner's rejection of claims 19-36, 55-72, 91-108, 127-144 and 163-180 has been rendered improper and the Examiner is respectfully requested to withdraw the rejections of claims 19-36, 55-72, 91-108, 127-144 and 163-180 and allow claims 19-36, 55-72, 91-108, 127-144 and 163-180.

The Examiner has objected to the Title of the Application as non-descriptive. while applicant believes that the Title is fully descriptive of the type of invention disclosed and claimed, the Title has been amended to remove this objection of the Examiner.

For the above stated reasons the Examiner's objection to the Title has been rendered improper and the Examiner is respectfully requested to withdraw the objection to the Title.

The Abstract has been objected to for being too long. The Abstract has been amended to remove this objection and the Examiner is respectfully requested to withdraw the objection to the Abstract.

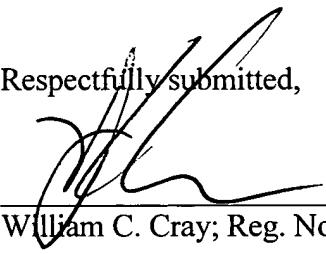
The Examiner has objected to the Drawing as being informal. Applicant has submitted with this Response a set of formal drawings and the Examiner is therefore respectfully requested to withdraw the objection to the Drawing.

### Conclusion

Claims 19-36, 55-72, 91-108, 127-144 and 163-180 have been amended to remove the Examiner's rejections based on indefiniteness under 35 U.S.C. §112, second paragraph and applicant therefore asserts that the claims pending in the above captioned application, claims 1-180, are now in a condition for allowance and the Examiner is respectfully requested to allow claims 1-180.

Applicant does not believe that any additional fees or charges are due in the above captioned application for its continued prosecution, however, in the event that any such fees or charges are due and owing, then the Commissioner is hereby authorized to charge any such additional fees or charges to the deposit account of the assignee of the present application, Cymer, Inc., Deposit Account No. 03-4060.

Respectfully submitted,

  
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January 11, 2005

Enclosure: Petition Under 37 CFR 1.84(a)(2) and Formal Drawings

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